2. The process of claim 1 wherein a weight ratio of the base to the glycerol is between 0.01 and 0.05.

3. The process of claim 1 wherein the base comprises from about 0.5% to about 2.1% of mixture.

4. The process of claim 1 wherein the base comprises less than about 1.0% of the reactant mixture.

5. The process of claim 1 wherein the base comprises from about 0.5% to about 1.0% of the reactant mixture.

6. The process of claim 1 wherein the reactant mixture further comprises a catalyst, and the catalyst comprises one or more of Zn, Cd, Se, Te, Cu, Re, and/or Sn.

7. The process of claim 1 wherein the reactant mixture further comprises a catalyst, and the catalyst comprises carbon.

8. The process of claim 1 wherein the reactant mixture further comprises water.

9. The process of claim 8 wherein the water is at least about 10% of the reactant mixture.

10. The process of claim 1 wherein the reactant mixture further comprises a reducing agent.

11. The process of claim 10 wherein the reducing agent comprises H_2.

12. A hydrogenolysis process comprising:

providing at least glycerol; and

hydrogenolyzing the glycerol to form propylene glycol, organic acids and/or salts of organic acids, wherein the carbon molar selectivity to organic acids and/or salts of organic acids is less than 2% and the carbon molar selectivity to propylene glycol is at least 30%.

13. The process of claim 12 further comprising hydrogenolyzing the glycerol in the presence of a base to form the propylene glycol.

14. The process of claim 13 wherein the base comprises Na and/or K.

15. The process of claim 14 wherein at least one of the salts of organic acids comprises lactate.

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